

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Kanterakis et al.

**Application No.:** Not Yet Known

**Filed:** Not Yet Known

**For:** OPTICAL INTERCONNECT

**Group:** Not Yet Known

**Examiner:** Not Yet Known

**Our File:** I-2-0075.7US

**Date:** March 17, 2004

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form.

This application is a continuation of U.S. Patent Application No. 10/379,620, filed March 5, 2003, which is a continuation of U.S. Patent Application No. 10/162,262, filed June 4, 2002, which issued on June 4, 2002 as U.S. Patent No. 5,563,617, which is a continuation of U.S. Patent Application No. 10/067,015, filed February 4, 2002, which issued on July 30, 2002 as U.S. Patent No. 6,426,828, which is a continuation of U.S. Patent Application No. 09/847,180, filed May 2, 2001, which issued on April 16, 2002 as U.S. Patent No. 6,373,605, which is a continuation of U.S. Patent Application No. 09/430,543, filed October 29, 1999, which issued on June 5, 2001 as U.S. Patent No.

**Applicant:** Kanterakis et al.  
**Application No.:** Not Yet Known

6,243,180, which is a continuation of U.S. Patent Application No. 08/896,367, filed July 18, 1997, which issued on December 28, 1999 as U.S. Patent No. 6,008,918, which is a continuation of U.S. Patent Application No. 08/641,632, filed May 2, 1996, which issued on October 14, 1997 as U.S. Patent No. 5,677,778, which is a continuation of U.S. Patent Application No. 08/068,518, filed May 28, 1993, which issued on May 7, 1996 as U.S. Patent No. 5,515,194. Pursuant to 37 C.F.R. §1.98(d) copies of documents cited in the parent application are not enclosed, but copies will be provided upon request. These documents are identified on the PTO-1449 form by an asterisk (\*).

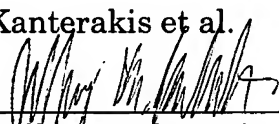
Pursuant to Pre-Official Gazette Notice signed July 11, 2003 waiving the requirements under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003, copies of the cited U.S. documents have not been included.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Kanterakis et al.

By

  
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JMG/mam  
Enclosures

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)										ATTY. DOCKET NO. I-2-0075.7US		SERIAL NO. Not Yet Known	
										APPLICANT Kanterakis et al.			
										FILING DATE Not Yet Known			GROUP Not Yet Known
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*AA	4	2	2	2	1	1	5	09/1980	Cooper et al.			
	*AB	4	3	8	6	4	1	4	05/1983	Case			
	*AC	4	7	6	5	7	5	3	08/1988	Schmidt			
	*AD	4	7	7	9	2	3	5	10/1988	Kubota			
	*AE	4	8	3	4	4	8	3	05/1989	Arthurs et al.			
	*AF	4	9	8	6	6	4	0	01/1991	Athale			
	*AG	5	1	0	1	5	0	1	03/1992	Gilhousen et al.			
	*AH	5	1	2	8	9	5	9	07/1992	Bruckert			
	*AI	5	1	4	0	4	6	6	08/1992	Parker			
	*AJ	5	1	5	0	2	4	5	09/1992	Smithgall, William T.			
	*AK	5	1	5	3	7	5	7	10/1992	Cloonan et al.			
	*AL	5	1	5	9	4	7	3	10/1992	Feldman			
	*AM	5	1	6	4	9	1	3	11/1992	Guilfoyle et al.			
	*AN	5	2	4	1	6	1	0	08/1993	Labiche et al.			
	*AO	5	2	9	1	3	2	4	03/1994	Hinterlong			
	*AP	5	4	5	0	2	2	4	09/1995	Johansson			
	*AQ	5	4	8	8	7	3	5	01/1996	Tanabe et al.			
	*AR	5	8	7	0	2	1	6	02/1999	Brock et al.			
	*AS	5	9	4	3	1	5	0	08/1999	Deri et al.			

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)				<b>ATTY. DOCKET NO.</b> I-2-0075.7US		<b>SERIAL NO.</b> Not Yet Known	
				<b>APPLICANT</b> Kanterakis et al.			
				<b>FILING DATE</b> Not Yet Known		<b>GROUP</b> Not Yet Known	

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				

FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	*AT	Li et al., "Ring-Array Processor Distribution Topology for Optical Interconnects", Applied Optics, Vol. 31, No. 26, (1992) pp. 5548-5558.
	*AU	F.E. Kiamiley et al., "Performance Comparison Between Optoelectronic and VLSI Multistage Interconnection Networks", J. Lightwave Tech., Vol. 9, No. 12 (December 1991) pp. 1674-1692.
	*AV	L.D. Hutcheson and P. Haugen, "Optical Interconnects Replace Hardwire", IEEE Spectrum (March 1987), pp. 30-35.
	*AW	J.W. Goodman, et al., "Optical Interconnections For VLSI Systems", Proc. IEEE, Vol. 72, No. 7 (July 1984), pp. 850-866.
	*AX	L. Thylen, "Integrated Optics in LiNbO <sub>3</sub> : Recent Developments in Devices for Telecommunications", IEEE, J. Lightwave Tech., Vol. 6, No. 6 (June 1988), pp. 847-861.
	*AY	N. Kagelnik, "Coupled Wave Theory for Thick Hologram Gratings", Bell System Tech. Journal, Vol. 48, No. 9 (November 1969), pp. 2909-2947.
	*AZ	M.R. Feldman, S. C. Esener, C.C. Guest, and S.H. Lee, "Comparison Between Optical and Electric Interconnects Based on Power and Speed Considerations, Appl. Opt., vol. 27, pp. 1742-1751, 1988.
	*BA	A.A. Sawchuk Proc. SPIE, vol. 813, p. 547, 1987.

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